

Additional Data/Spec Sheet

LP Brass Adapter Fittings – NPT Male x SAE Male 90° Elbow

149F-249F

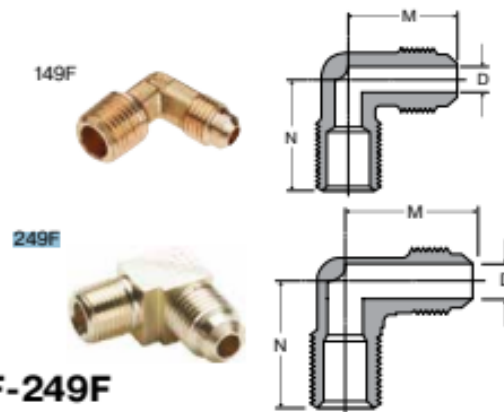
Male Elbow
Ref. SAE 010202



Part Number	Tube Size	Pipe Thread	Straight Thread
149F-2-2	1/8	1/8	5/16-24
149F-3-2	3/16	1/8	3/8-24
249F-3-2	3/16	1/8	3/8-24
149F-4-2	1/4	1/8	7/16-20
249F-4-2	1/4	1/8	7/16-20
149F-4-4	1/4	1/4	7/16-20
249F-4-4	1/4	1/4	7/16-20
149F-4-6	1/4	3/8	7/16-20
249F-4-6	1/4	3/8	7/16-20
149F-4-8	1/4	1/2	7/16-20
149F-5-2	5/16	1/8	1/2-20
249F-5-2	5/16	1/8	1/2-20
149F-5-4	5/16	1/4	1/2-20
249F-5-4	5/16	1/4	1/2-20
149F-5-6	5/16	3/8	1/2-20
149F-6-2*	3/8	1/8	5/8-18
249F-6-2*	3/8	1/8	5/8-18
149F-6-4	3/8	1/4	5/8-18
249F-6-4	3/8	1/4	5/8-18
149F-6-6	3/8	3/8	5/8-18
249F-6-6	3/8	3/8	5/8-18
149F-6-8	3/8	1/2	5/8-18
249F-6-8	3/8	1/2	5/8-18
149F-6-12*	3/8	3/4	5/8-18
149F-8-4*	1/2	1/4	3/4-16
149F-8-6	1/2	3/8	3/4-16
249F-8-6	1/2	3/8	3/4-16
149F-8-8	1/2	1/2	3/4-16
249F-8-8	1/2	1/2	3/4-16
149F-8-12*	1/2	3/4	3/4-16
149F-10-4*	5/8	1/4	7/8-14
149F-10-6*	5/8	3/8	7/8-14
149F-10-8	5/8	1/2	7/8-14
249F-10-8	5/8	1/2	7/8-14
149F-10-12*	5/8	3/4	7/8-14
149F-12-8**	3/4	1/2	1-1/16-14
149F-12-12*	3/4	3/4	1-1/16-14

+ For these parts the Pipe Thread through hole is smaller than the through hole on the flare end.

* Comes standard with thread protectors.



Male Elbow 149F-249F

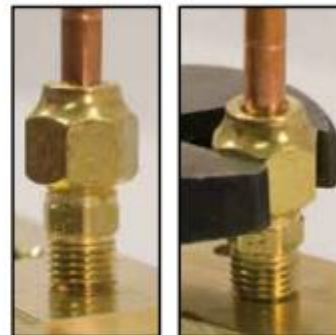
REF. SAE 010202

PART NO.	TUBE SIZE	PIPE THREAD	STRAIGHT THREAD	M	N	FLOW DIA. D
149F-2-2	1/8	1/8	5/16-24	.63	.69	.079
149F-3-2	3/16	1/8	3/8-24	.73	.73	.125
149F-4-2	1/4	1/8	7/16-20	.79	.76	.189
149F-4-4	1/4	1/4	7/16-20	.89	.92	.189
149F-4-6	1/4	3/8	7/16-20	.92	1.01	.189
149F-4-8	1/4	1/2	7/16-20	1.02	1.26	.189
149F-5-2	5/16	1/8	1/2-20	.90	.79	.220
149F-5-4	5/16	1/4	1/2-20	.95	.95	.220
149F-5-6	5/16	3/8	1/2-20	.98	1.01	.220
149F-6-2*	3/8	1/8	5/8-18	1.01	.90	.220
149F-6-4	3/8	1/4	5/8-18	1.01	1.05	.282
149F-6-6	3/8	3/8	5/8-18	1.04	1.07	.282
149F-6-8	3/8	1/2	5/8-18	1.15	1.26	.282
149F-6-12*	3/8	3/4	5/8-18	1.25	1.38	.282
149F-8-4*	1/2	1/4	3/4-16	1.20	1.17	.314
149F-8-6	1/2	3/8	3/4-16	1.20	1.10	.407
149F-8-8	1/2	1/2	3/4-16	1.28	1.38	.407
149F-8-12*	1/2	3/4	3/4-16	1.38	1.38	.407
149F-10-4*	5/8	1/4	7/8-14	1.41	1.25	.314
149F-10-6*	5/8	3/8	7/8-14	1.41	1.25	.407
149F-10-8	5/8	1/2	7/8-14	1.40	1.39	.501
149F-10-12*	5/8	3/4	7/8-14	1.42	1.48	.501
149F-12-8**	3/4	1/2	1-1/16-14	1.60	1.48	.563
149F-12-12*	3/4	3/4	1-1/16-14	1.60	1.62	.626

* For these parts the pipe thread through hole is smaller than the through hole on the flare end.

Assembly Instructions

1. Cut tubing squarely and clean tube end thoroughly to remove burrs.
2. Place nut onto tube. Place threaded end of nut toward end of tube.
3. Flare tube end with flaring tool to provide 45° flare.
4. Clamp tube flare between nut and nose of fitting body by screwing nut on finger-tight. Tighten with a wrench an additional 1/4 to 1/2 turn past finger-tight for a metal-to-metal seal.



Specifications:

Temperature Range: -65° to +250° F (-53.8° to 121.1° C)

Pressure Range:

TUBE SIZE	PSI	bar	TUBE SIZE	PSI	bar
1/8	2800	193.0	3/8	1000	68.9
3/16	1900	131.0	1/2	750	51.7
1/4	1400	96.5	5/8	650	44.8
5/16	1200	82.7	3/4	550	37.9